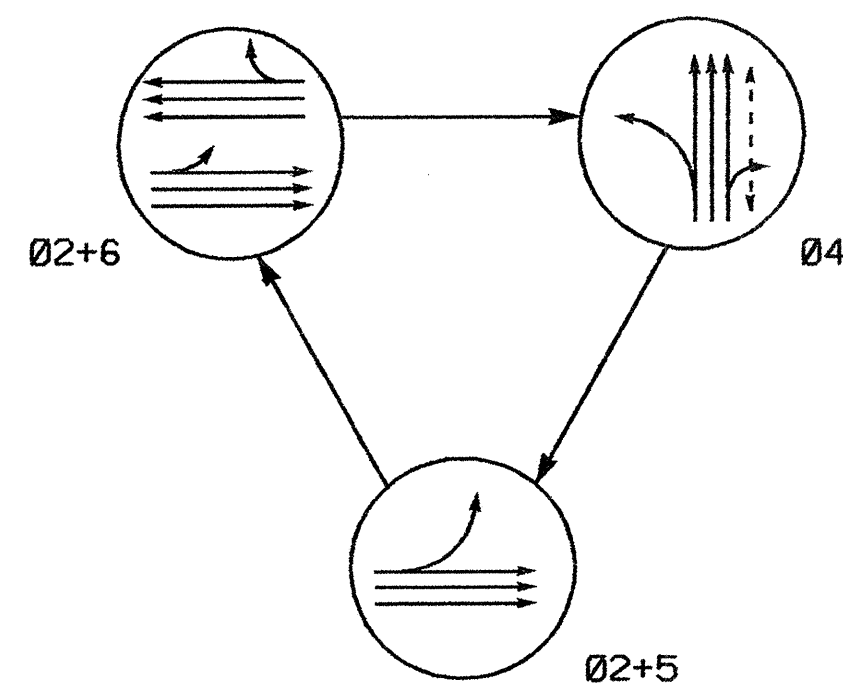


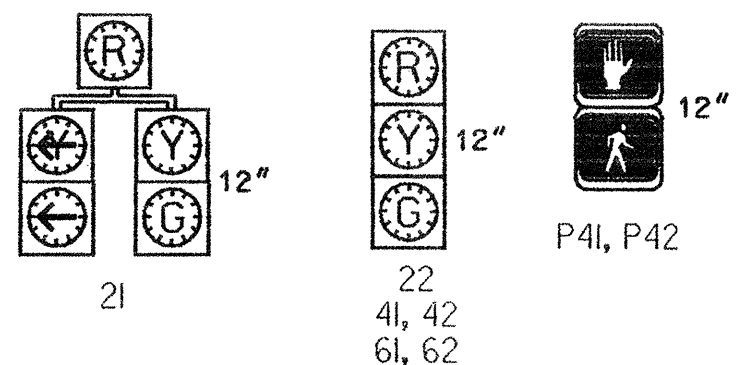
PHASING DIAGRAM



SIGNAL FACE	PHASE			
	Ø 2+5	Ø 2+6	Ø 4	FLASH
21	G	R	Y	
22	G	G	R	Y
41, 42	R	R	G	R
61, 62	R	G	R	Y
P41, P42	DW	DW	W	DW

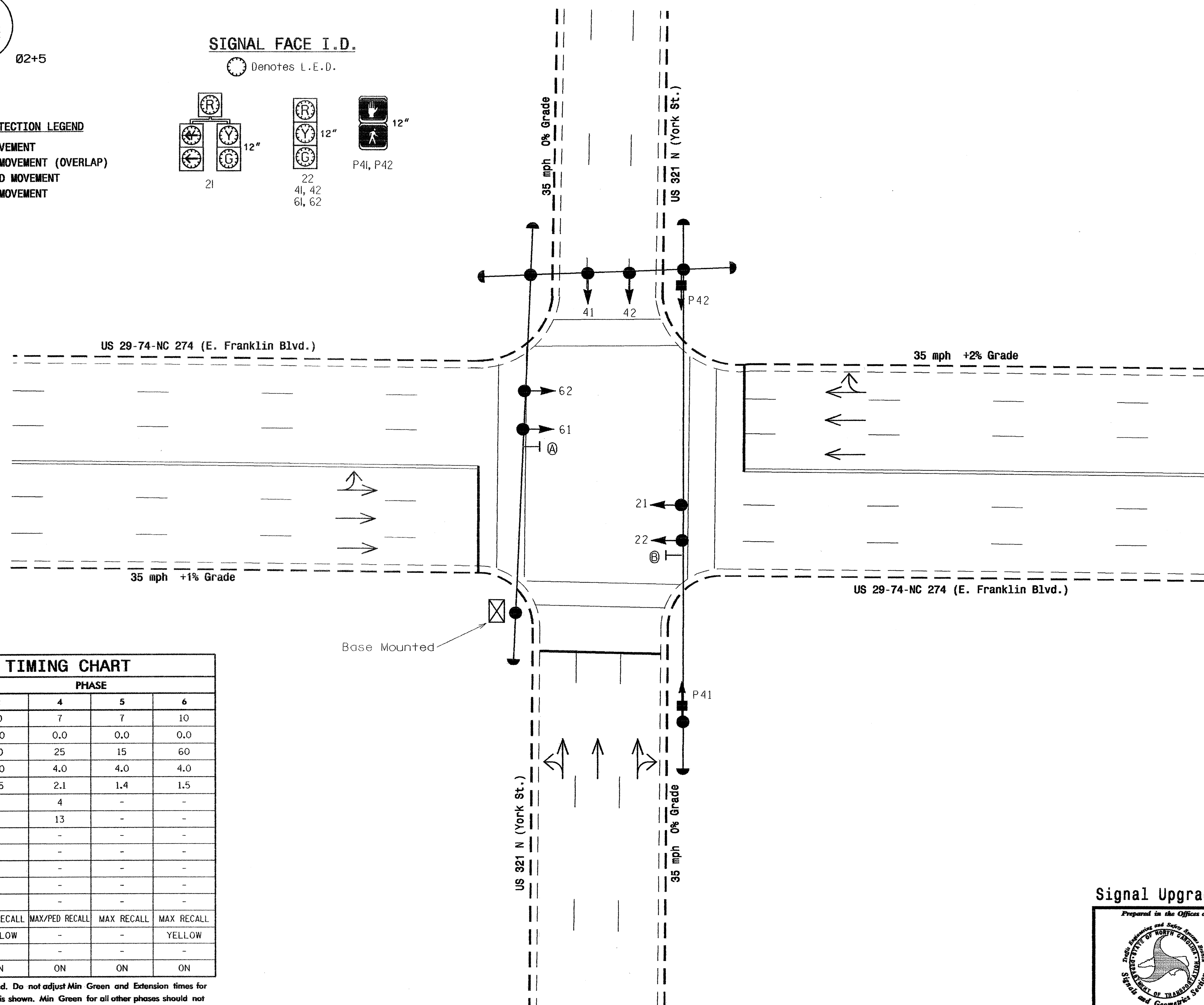
SIGNAL FACE I.D.

Denotes L.E.D.



**PHASING DIAGRAM DETECTION LEGEND**

- DETECTED MOVEMENT
- UNDETECTED MOVEMENT (OVERLAP)
- - - UNSIGNALIZED MOVEMENT
- ⚡ PEDESTRIAN MOVEMENT



3 Phase  
Pre-Timed  
Gastonia City System

NOTES

1. Refer to "Roadway Standard Drawings NCDOT" dated January 2002 and "Standard Specifications for Roads and Structures" dated January 2002.
2. Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
3. Set all detector units to presence mode.
4. Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
5. Pavement markings are existing.
6. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
7. City system data: Controller Asset #0039.

FEATURE	PHASE			
	2	4	5	6
Min Green 1 *	10	7	7	10
Extension 1 *	0.0	0.0	0.0	0.0
Max Green 1 *	60	25	15	60
Yellow Clearance	4.0	4.0	4.0	4.0
Red Clearance	1.5	2.1	1.4	1.5
Walk 1 *	-	4	-	-
Don't Walk 1	-	13	-	-
Seconds Per Actuation *	-	-	-	-
Max Variable Initial *	-	-	-	-
Time Before Reduction *	-	-	-	-
Time To Reduce *	-	-	-	-
Minimum Gap	-	-	-	-
Recall Mode	MAX RECALL	MAX/PED RECALL	MAX RECALL	MAX RECALL
Vehicle Call Memory	YELLOW	-	-	YELLOW
Dual Entry	-	-	-	-
Simultaneous Gap	ON	ON	ON	ON

\* These values may be field adjusted. Do not adjust Min Green and Extension times for phases 2 and 6 lower than what is shown. Min Green for all other phases should not be lower than 4 seconds.

PROPOSED	EXISTING
○ → Traffic Signal Head	● → N/A
● → Modified Signal Head	— N/A
⊥ Sign	⊥
⊥ Pedestrian Signal Head With Push Button & Sign	⊥
○ Signal Pole with Guy	●
○ Signal Pole with Sidewalk Guy	●
⊠ Inductive Loop Detector	⊠
⊠ Controller & Cabinet	⊠
⊠ Junction Box	⊠
— 2-in Underground Conduit	—
N/A Right of Way	—
→ Directional Arrow	→
⊠ Pavement Marking Arrow	⊠
⊠ No Left Turn Sign (R3-2)	⊠
⊠ No Right Turn Sign (R3-1)	⊠

Signal Upgrade

Prepared in the Office of:  
  
 US 29-74-NC 274 (E. Franklin Boulevard) at US 321 N (York St.)  
 Division 12 Gaston County Gastonia  
 PLAN DATE: January 2005 REVIEWED BY: [Signature]  
 PREPARED BY: WS/TSS REVIEWED BY: [Signature]  
 SCALE: 1"=20'  
 REVISIONS: [Table]  
 SIGNATURE: [Signature] DATE: 7 February 05  
 SIG. INVENTORY NO. 12-0039

17-MAY-2005 07:45  
 v:\p000168-un11\m001\p000168-un11\p000168-un11.dgn  
 17-MAY-2005 07:45  
 v:\p000168-un11\m001\p000168-un11\p000168-un11.dgn